

Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800  
Title: PROGRAMMABLE MEASUREMENT MODE FOR A SERIAL POINT  
TO POINT LINK  
1st Named Inventor: Suneel G. Mitbander  
Express Mail No.: EV 339916365US Docket No.: 42P18011  
Sheet: 1 of 10

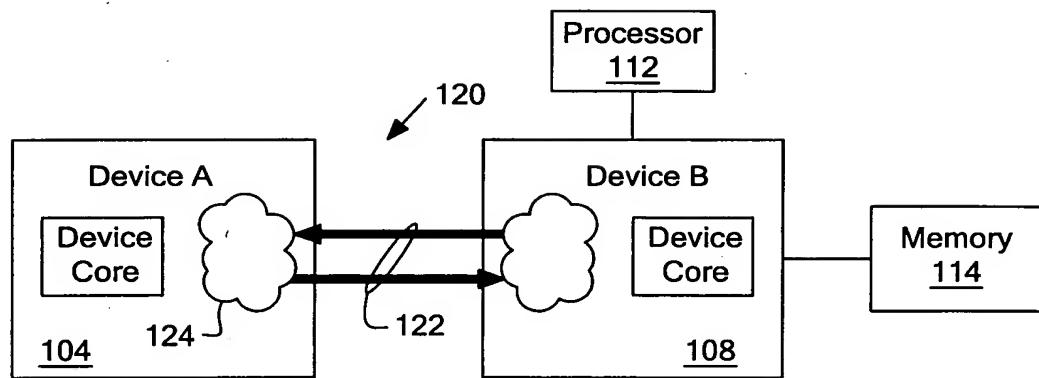


Fig.1

244

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graph LR
    A[Initial State] --> B[Link Training State Machine]
    B --> C[Training State]
    C --> D[Initial State]
  
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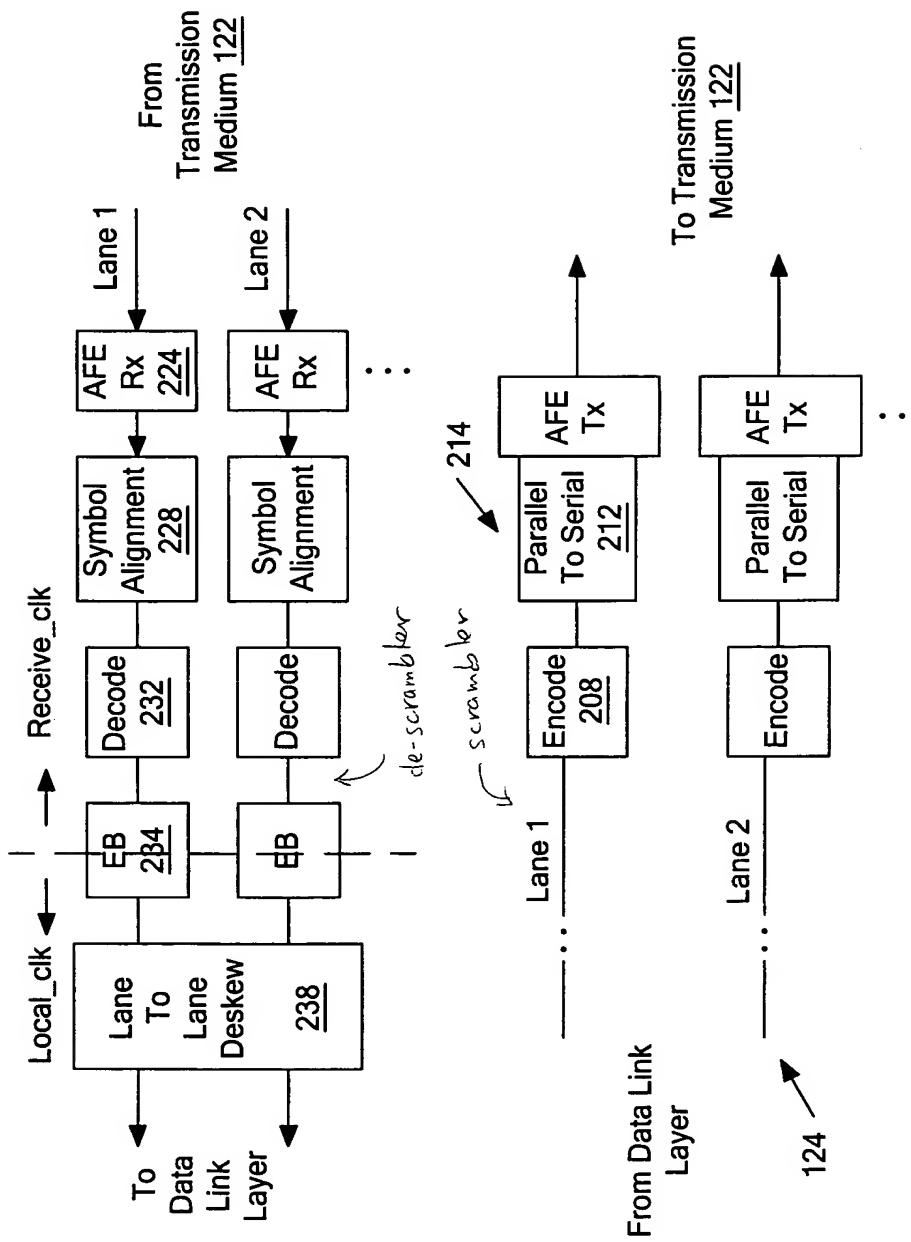


Fig.2

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42P18011

Sheet: 3 of 10

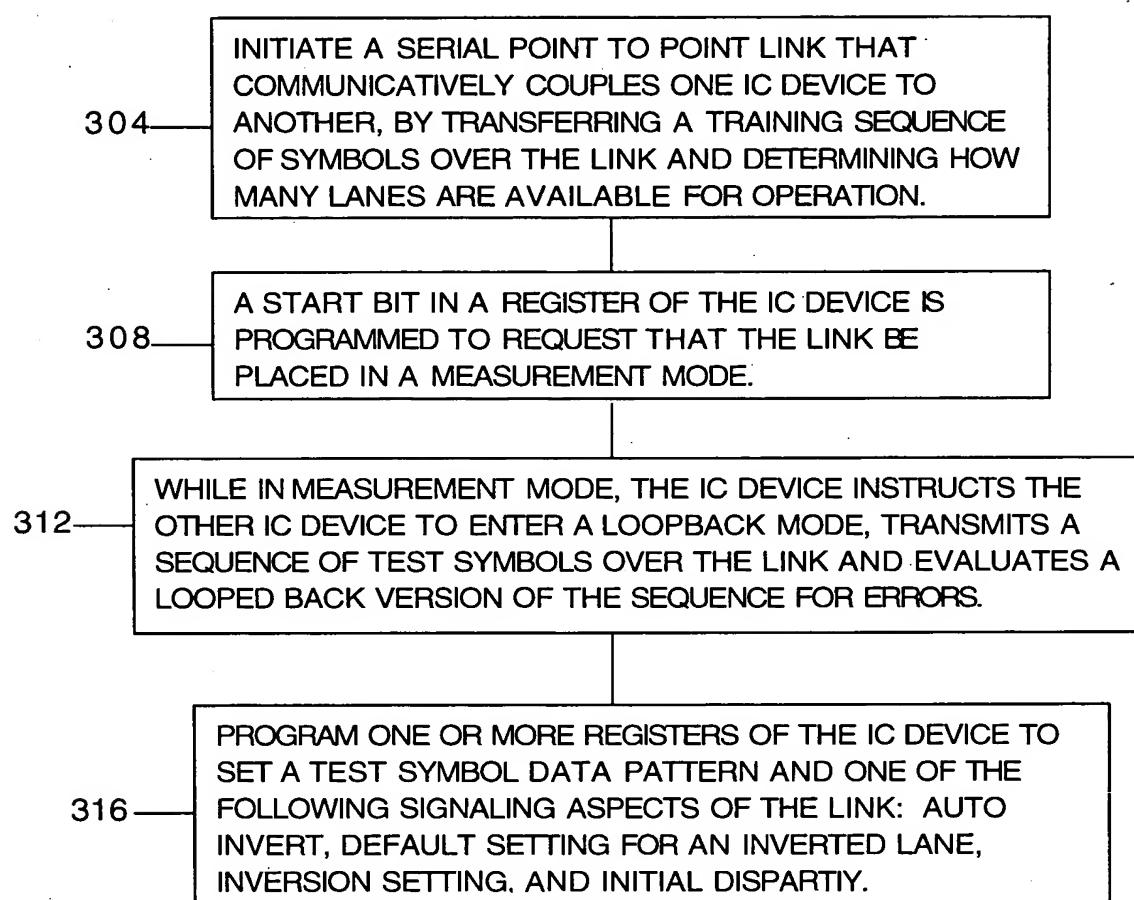


FIG. 3

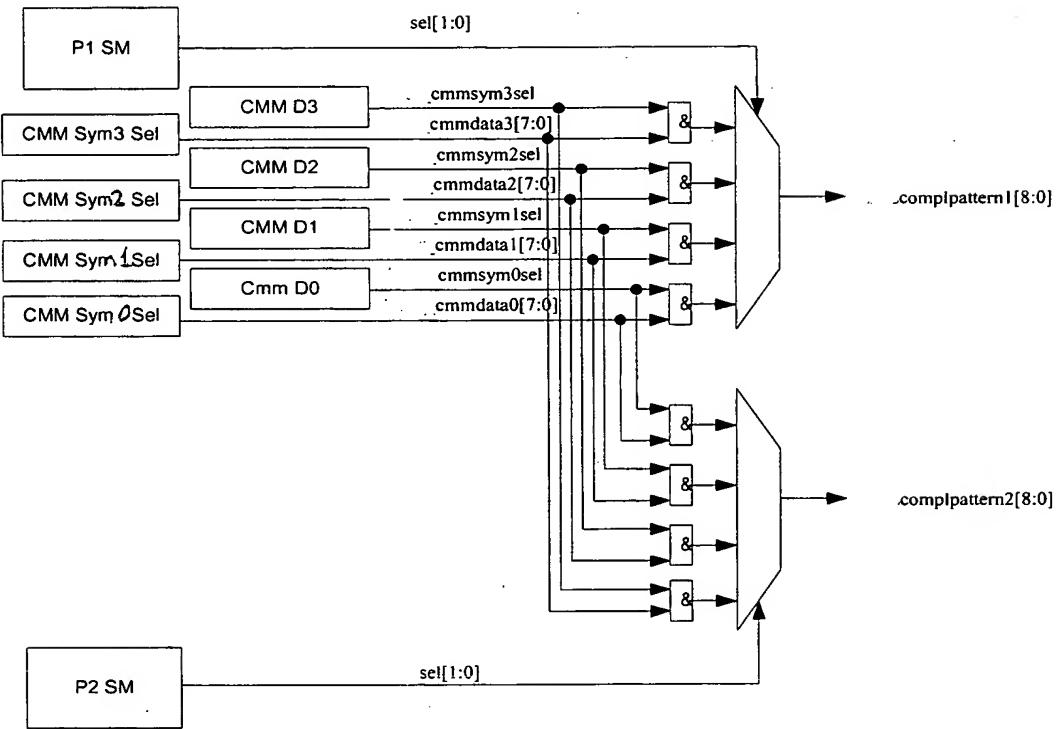


Fig. 4A

Register	D0	D1	D2	D3	D0	D1
Symbol	K28.5	D21.5	K28.5	D10.2	K28.5	D21.5
Disparity	0	1	1	0	0	1
Pattern	001111010	1010101010	1100000101	0101010101	0011111010	1010101010

Fig. 4B

Register	D0	D0	D0	D1	D2	D3	D0	D0
Symbol	K28.5	K28.5	K28.5	D21.5	K28.5	D10.2	K28.5	K28.5
Disparity	0	1	0	1	1	0	0	1
Pattern	00111101	1100000101	0011111010	1010101010	1100000101	0101010101	0011111010	1100000101

Fig. 4C

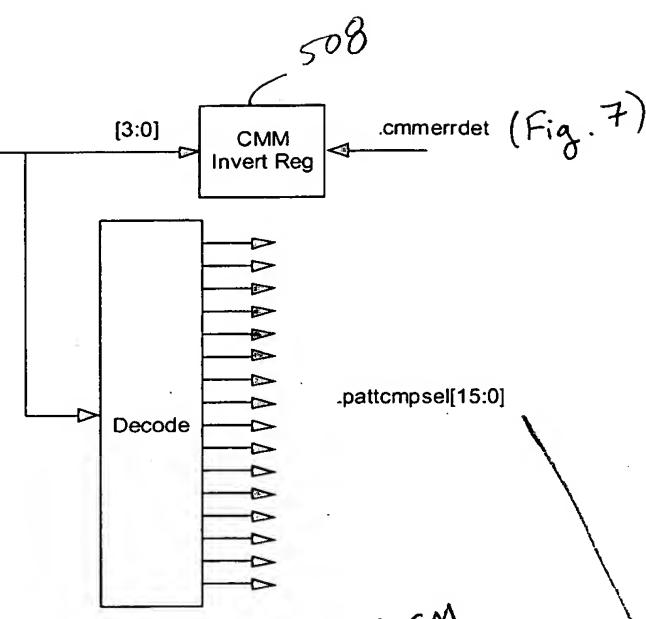
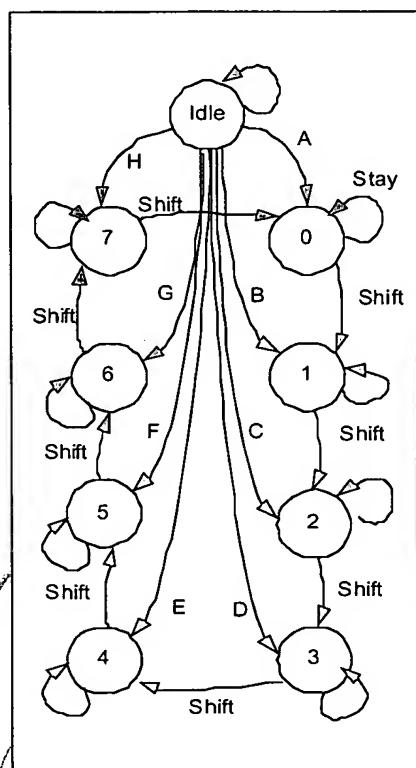
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Docket No.: 42P18011

Sheet: 6 of 10



A : CMM Invert Enable	And CMM Invert Lane Number	=000
B : CMM Invert Enable	And CMM Invert Lane Number	=001
C : CMM Invert Enable	And CMM Invert Lane Number	=010
D : CMM Invert Enable	And CMM Invert Lane Number	=011
E : CMM Invert Enable	And CMM Invert Lane Number	=100
F : CMM Invert Enable	And CMM Invert Lane Number	=101
G : CMM Invert Enable	And CMM Invert Lane Number	=110
H : CMM Invert Enable	And CMM Invert Lane Number	=111

State	0	pattcmpsel[0:15]	15
Idle	0000000000000000		
0	1000000010000000		
1	0100000010000000		
2	0010000001000000		
3	0001000000100000		
4	0000100000010000		
5	0000010000001000		
6	0000001000000010		
7	0000000100000001		

Fig. 5

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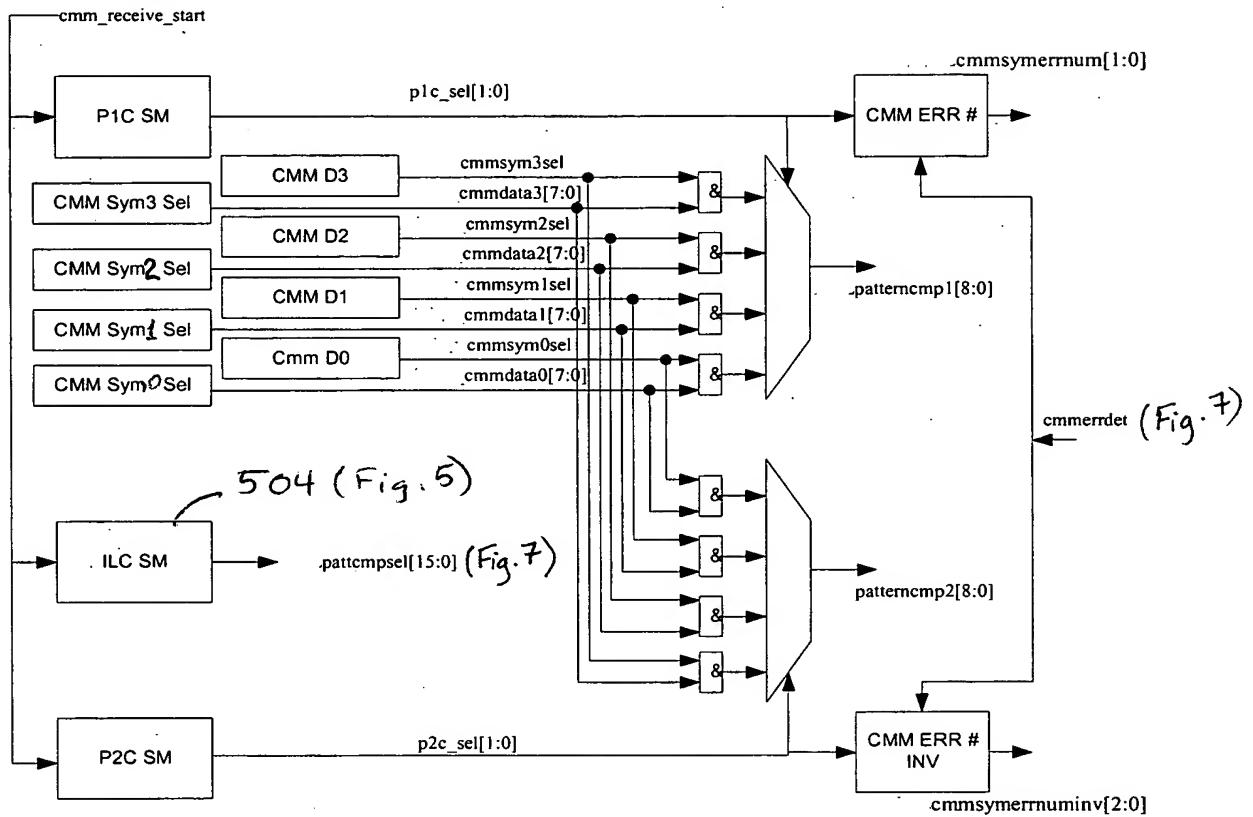
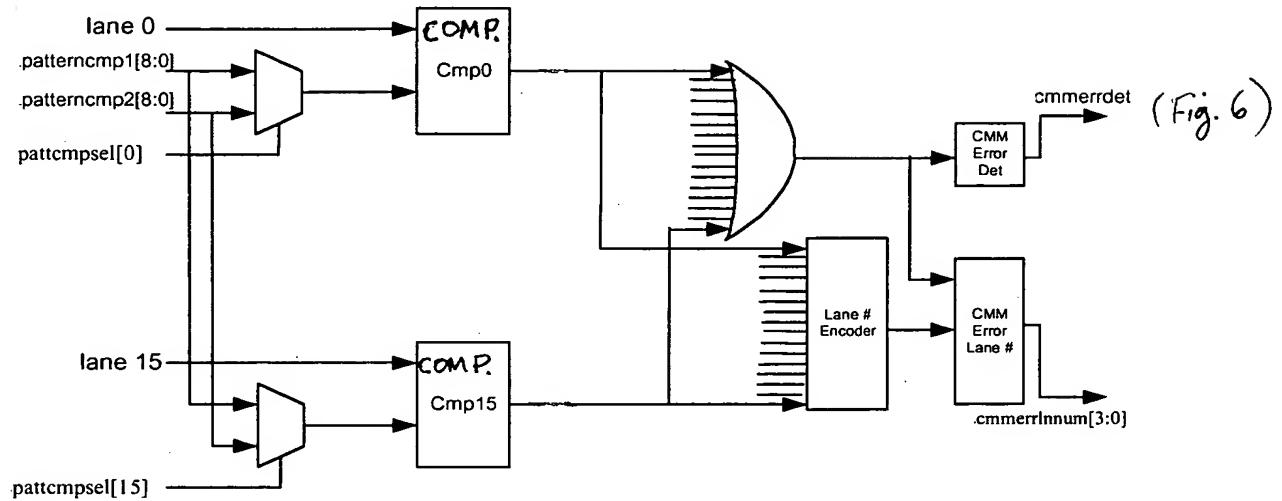


Fig. 6



**Fig. 7**

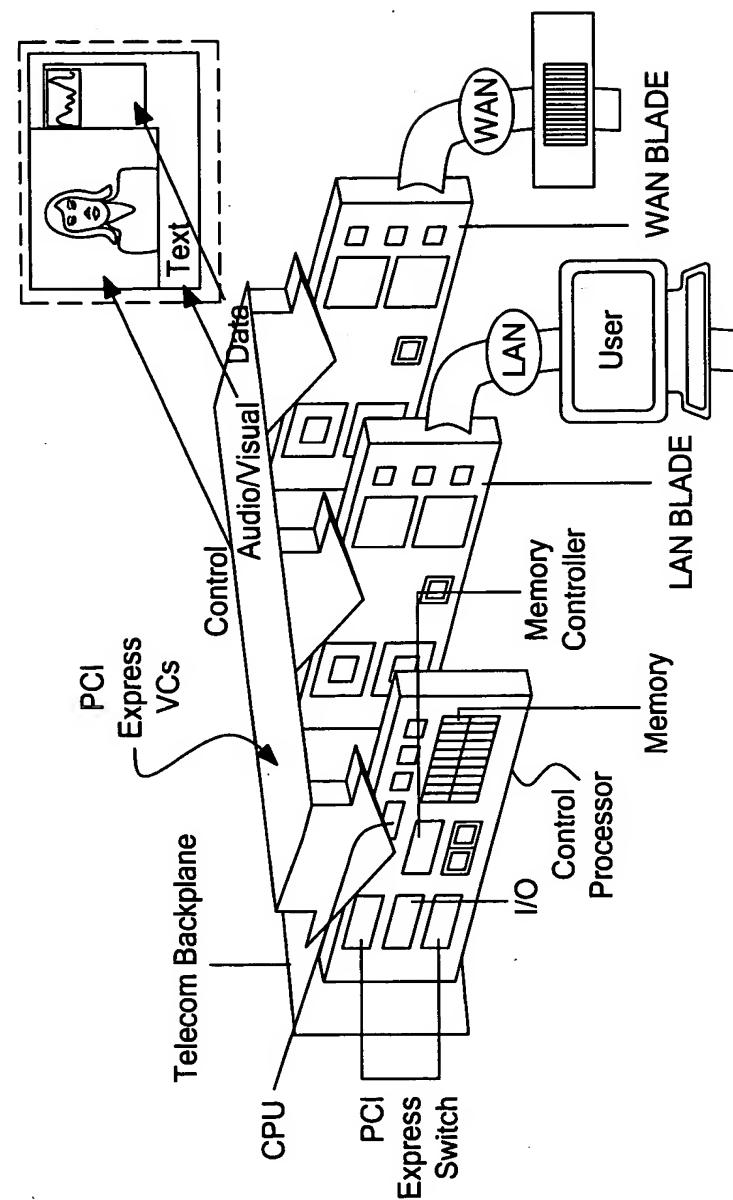


Fig.8

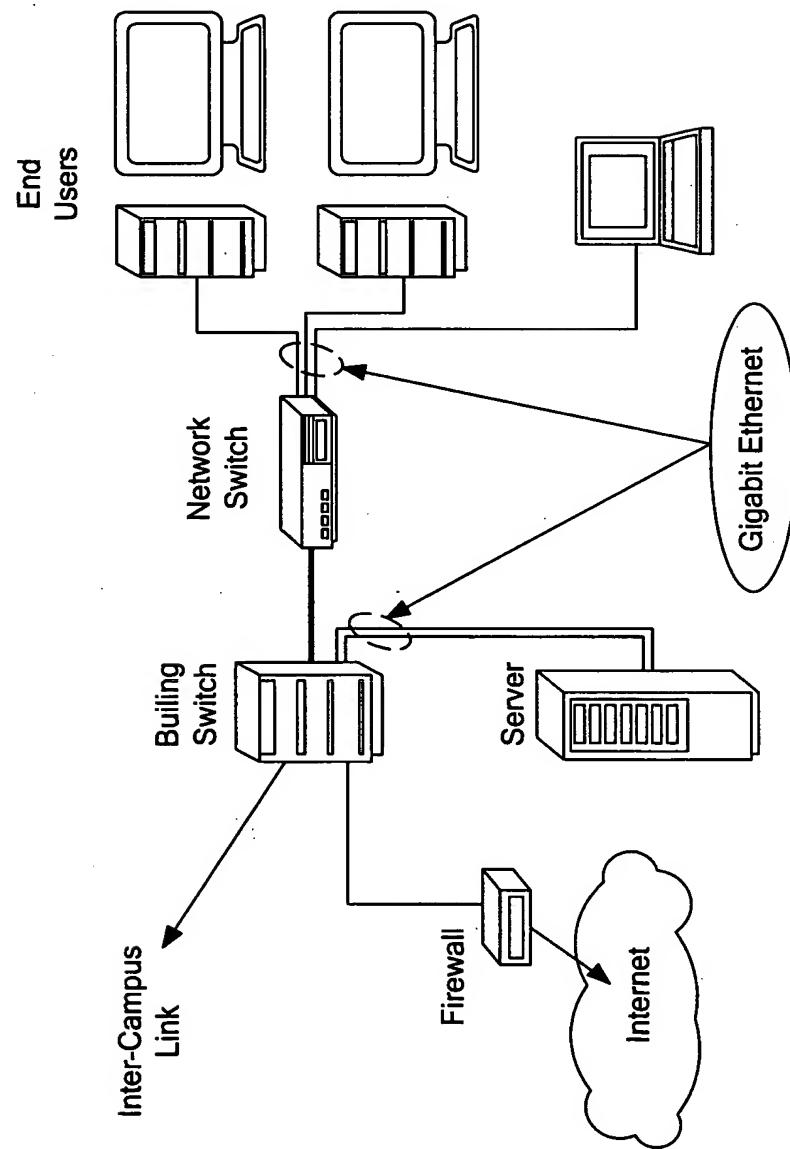


Fig.9